

From: [Walls \(Young\), Suzy](#)
To: [Mitchell, Tanya](#)
Cc: [Gary M. Fisher](#); [Draikiwicz, Michael](#); (pete.bergeron@chevron.com); [Bergsten, Linda](#); [John Persico](#) (johnlpersico@gmail.com); [McKenzie, Jill](#); [Ricci, Richard F.](#); mfaigen@issuesllc.com; [Gutherz, Andrew](#)
Subject: RE: Issues with Porewater Sampling
Date: Thursday, July 30, 2015 6:12:51 PM

Hi Tanya –

Even though the weather is likely to be hot next week and will probably result in dry conditions for that area for another week at least, this location is inundated for most of the year and is still not appropriate for a permanent monitoring well. The Group will plan to revisit the area before we go out for the next round of data gaps sampling and will redo the porewater sampling at that time.

Thanks,

Suzy

From: Mitchell, Tanya [<mailto:Mitchell.Tanya@epa.gov>]
Sent: Thursday, July 30, 2015 2:38 PM
To: Walls (Young), Suzy
Cc: Gary M. Fisher; Draikiwicz, Michael; (pete.bergeron@chevron.com); John Persico (johnlpersico@gmail.com); McKenzie, Jill
Subject: RE: Issues with Porewater Sampling

Confirmation of this email is requested.

Hi Suzy,

Looking at the next week, we have mostly dry conditions ahead. Since the original plan was to put a well here instead of the porewater/push point samples, should we reconsider the MW?

The current weather reports are projecting high temperatures for next week. Have you considered putting in the well as originally planned? This would have to be done as soon as possible, while the conditions allow it (like next week). It might be possible to get a driller to mob for what would likely be a day of work, maybe a second half day. Given that the PDBs may be more labor intensive and more costly, overall the well installation may be more cost effective.

Please let me know your thoughts.

Regards,

Tanya

From: Walls (Young), Suzy [<mailto:Suzy.Walls@arcadis-us.com>]
Sent: Thursday, July 30, 2015 1:52 PM
To: Mitchell, Tanya
Cc: Gary M. Fisher; Draikiwicz, Michael; (pete.bergeron@chevron.com); John Persico (johnlpersico@gmail.com); McKenzie, Jill; Bergsten, Linda; Ricci, Richard F.; mfaigen@issuesllc.com; Gutherz, Andrew
Subject: RE: Issues with Porewater Sampling
Thanks Tanya.

From: Mitchell, Tanya [<mailto:Mitchell.Tanya@epa.gov>]
Sent: Thursday, July 30, 2015 11:29 AM
To: Walls (Young), Suzy
Cc: Gary M. Fisher; Draikiwicz, Michael; (pete.bergeron@chevron.com); John Persico (johnlpersico@gmail.com); McKenzie, Jill
Subject: RE: Issues with Porewater Sampling
Confirmation of this email is requested.

Hi Suzy,

Thank you for your phone call earlier and the summary of the field activities associated with the porewater and push point sampling. We are having some of the warmest temperatures for the summer which has played a significant role in the porewater and push point sampling.

EPA is in agreement to halt the porewater and push point sampling at this time. The sampling locations for the porewater and push point samples can be recollected during the upcoming Data Gaps sampling event.

Please feel free to contact me should you have any questions or concerns regarding this email.

Regards,

Tanya

From: Walls (Young), Suzy [<mailto:Suzy.Walls@arcadis-us.com>]

Sent: Thursday, July 30, 2015 10:48 AM

To: Mitchell, Tanya

Cc: Ricci, Richard F.; Gary M. Fisher; Draikiwicz, Michael; mfaigen@issuesllc.com; (pete.bergeron@chevron.com); Bergsten, Linda; John Persico (johnlpersico@gmail.com); Gutherz, Andrew

Subject: Issues with Porewater Sampling

Importance: High

Hi Tanya –

As we just discussed, the field crew is having issues with the porewater PDBs and PushPoint samplers. Approximately 2/3rds of the PDBs have broken and the remaining 1/3 do not have the full amount of volume. ARCADIS was able to retrieve enough volume for our metals, cyanide and VOCs but CDM was not able to get enough volume for their sample, and we do not have enough for any duplicates or MS/MSD samples.

Even though the bags were properly installed 6 inches below ground surface, in standing water, it appears the area dried out sometime during the last two weeks for some period of time (that is most likely what caused the breakage). The soil is moist now but is not saturated. As a result, we are also going to have issues with the PushPoint sampling, which is supposed to occur in the same depth as the PDBs. The crew will need to push deeper into the ground (not sure yet how deep) in order to try collecting porewater.

Given the current conditions, we will stop all porewater sampling (including the PushPoint sampling) and attempt to install the PDBs again, possibly in a slightly different location, when we go back out for the next round of data gaps sampling. We will reattempt the PushPoint sampling at that time and location.

Please let me know if you have any questions or issues with this approach.

Thanks,

Suzy

Suzy Walls | Senior Ecologist / Certified Project Manager | suzy.walls@arcadis-us.com

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